

Location

Observer

Date *December 1963* Time *diurnal* to

Weather

Miles = 1482

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross	1							
Black-footed Albatross		27						
Wedge-tailed Shearwater			213					
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel	1							
Red-tailed Tropicbird		26						
White-tailed Tropicbird	7							
Masked Booby		13						
Brown Booby	7							
Red-footed Booby			130					
Great Frigatebird		13						
Golden Plover	1							
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		70						
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern		23						
<i>Kermadec Petrel</i>	1							
<i>Leach's Storm Petrel</i>		22						
<i>Pomarine Jaeger</i>		17						
<i>Japanese White-eye</i>	3							
<i>Passerine</i>		42						
<i>Storm Petrel</i>	1							
<i>Tropicbird</i>	1							
<i>Booby</i>		30						
<i>Sooty ? Shearwater</i>	1							
<i>Shearwater - Petrel</i>			207					
<i>Pterodroma</i>		68						
<i>Bird</i>	17							<i>Total Birds = 942</i>

DECEMBER

Location 20°08'N 161°53'W at 1200

Observer

Date 04 December, 1963 Time 0630 to 1850

Weather

miles = 112

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross	4							
Wedge-tailed Shearwater		54						4.8
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	/							
White-tailed Tropicbird	/							
Masked Booby								
Brown Booby	/							
Red-footed Booby	/							
Great Frigatebird	3							
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		25						2.2
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern		22						
Leach's Storm Petrel	4							
Japanese White Eye	1							
Pterodroma	7							
Passerine		42						
Booby	3							
Shearwater - Petrel	6							Total birds = 175 6

Location 18°21'N 165°21'W at 1200

Observer

Date 05 December, 1963 Time 0630 to 1830

Weather

11.2

miles = 113

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater	4							0.4
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	/							
White-tailed Tropicbird								
Masked Booby								
Brown Booby	/							
Red-footed Booby	3							
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								0.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Japanese White eye	2							
Leach's Storm Petrel	6							
Shearwater-Petrel	3							
Pterodroma	2							Total birds = 22 2.0

Location 16° 47' N 168° 57' W at 1200

Observer

Date 06 December, 1963 Time 0700 to 1853

Weather

110

miles = 89

SPECIES	Abundance				Breeding			Remarks
	1-10 /	10-100 	100-1000 	1000 + +++	Nests	Eggs	Young	
Laysan Albatross	/							
Black-footed Albatross								
Wedge-tailed Shearwater		3						1.2
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel	/							
Red-tailed Tropicbird	/							
White-tailed Tropicbird								
Masked Booby								
Brown Booby	/							
Red-footed Booby		69						
Great Frigatebird	4							
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		26						2.4
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Leach's Storm Petrel	5							
Tropic bird	/							
Booby	9							
Sooty? Shearwater	/							
Shearwater - Petrel			169					
Pterodroma		12						
Gird	/							Total birds = 314 28.5

Location 13°43'N → 169°45'W at 1200

Date 07 December, 1963 Time 0650 to 1915

11.5

miles = 104

[illegible]

miles = 88

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater	2							0.2
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	5							
White-tailed Tropicbird								
Masked Booby	2							
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								0.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Leach's Storm Petrel	1							
Pterodroma bird	3							
	5							Total birds = 19 1.7

Location 16°22'N 171°00'W at 1200

Observer

Date 11 December, 1963 Time 0715 to 1905

Weather

11.2

miles = 97

	Abundance				Breeding			
SPECIES	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		40						3.6
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird								
White-tailed Tropicbird	/							
Masked Booby	/							
Brown Booby								
Red-footed Booby	6							
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								0.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Leach's Storm Petrel	/							
Shearwater - Petrel	1							
Pterodroma		10						Total birds = 60 5.4

Location 14°43'N, 173°26'W at 1200

Observer

Date 12 December, 1963 Time 0700 to 1900

Weather

miles = 102

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater	/							0.1
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	/							
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby	2							
Great Frigatebird								
Golden Plover	/							
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern	/							0.1
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Shearwater - Petrel	1							
Pterodroma	2							
bird	1							Total birds = 10 0.9

miles = 100

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		✓ 49	36					3.2
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird								
White-tailed Tropicbird								
Masked Booby	/							
Brown Booby	/							
Red-footed Booby	2							
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								0.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Shearwater-Petrel	2							
Pterodroma	8							Total birds = 63 50 3.1.7

miles = 110

[illegible]

miles = 97

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross	/							
Wedge-tailed Shearwater	4							0.4
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	2							
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								0.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Shearwater-Petrel	3							
Pterodroma	2							Total birds = 12 1.1

Location 19°49'N 161°55'W at 1200

Date 16 December 1963 Time 0717 to 1838

10.46

miles = 120

[illegible]

Location 20°57'N 158°32'W at 1000

Observer

Date 17 December, 1963 Time 0645 to 1430

Weather

7.5

miles = 70

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross	8							
Wedge-tailed Shearwater								O.O.
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird								
White-tailed Tropicbird	2							
Masked Booby								
Brown Booby								
Red-footed Booby	/							
Great Frigatebird	/							
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								O.O.
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Pomarine Jaeger	5							
								Total birds = 17 2.3

Observer Brutley, Ely, Fleet, King Date Dec 5, 1963 Time 6:30 AM to 6:30 PM
Weather Partly cloudy, warm, only slight breeze

Observer Brutley, Ely, Fleet, King Date Dec 5, 1963 Time 6:30 AM to 6:30 PM
Weather Partly cloudy, warm, only slight breeze

Weather Partly cloudy, warm, only slight breeze

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater	4							
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	1							
White-tailed Tropicbird								
Masked Booby								
Brown Booby	1							
Red-footed Booby	3							
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern	1							
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
White-Necked Petrel	1							
Harcourt's Storm Petrel	6							
Japanese White-Eye	2							
unidentified	7							collected

Note: 26 birds
19 identified
8 species

Location

Observer Bratley, Ely, Fleet, King Date Dec. 6, 1963 Time 7 AM to 7 PM

Weather Moderate Warm - Cloudy with intermittent rain
ranging from light to heavy. Visibility limited - Sea with whitecaps
Heavy winds

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross	1							
Black-footed Albatross								
Wedge-tailed Shearwater		13						
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel	7							
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	1							
White-tailed Tropicbird								
Masked Booby								
Brown Booby	1							
Red-footed Booby		76						
Great Frigatebird	4							
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		26						
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Sooty Shearwater	1							? - Identified by sight only - I didn't
White-Necked Petrel	4							
Harcourt's Storm Petrel	5							
Sooty Storm Petrel	2							May also be questionable - Poor light
Dark-Rumped Petrel	1							
Unidentified:								Note: 319 birds
Shearwater	1							142 identified
Shearwater/Petrel			166					13 species
Booby	4							
Tropicbird	1							
Petrel	4							
Bird	1							

Observer Bratley, Ely, Fleet, King Date Dec. 7, 1963 Time 7AM to 7PM
Weather Warm, Partly cloudy to clear - moderate wind -
small swells

[illegible]

Location

Observer Bratley, Ely, Fleet, King Date Dec 8, 1963 Time 7 AM to 7 PM
Weather Warm - mainly partly - 61° + 61°

Weather Warm - mainly partly cloudy to clear - afternoon slight & short
drizzle for awhile - 10 knot winds - Swells shallow but rough, calm in evening

Abundance	Breeding
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SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross	1							<i>Not really positive</i>
Black-footed Albatross								
Wedge-tailed Shearwater	2							
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	5							
White-tailed Tropicbird								
Masked Booby	3							<i>1 immature collected</i>
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Harcourt's Storm Petrel	1							
Unidentified								
Pterodroma	4							
Tern/Tropicbird	1							<i>appeared all white - at great distance</i>
Bird species	3							
								Note; 20 birds 12 identified 5 species

Location

Observer Bratley, Ely, Fleet, King Date Dec. 9, 1963 Time 7AM to 7PM
Weather W. B. 100% Cloudy

Weather Warm - Partly cloudy to cloudy - moderate wind - Swell's moderately shallow.

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater	9							
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel	3							
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	5							
White-tailed Tropicbird								
Masked Booby	5							
Brown Booby								
Red-footed Booby	1							
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
White-Necked Petrel	7							
Kermadec Petrel	1							I didn't observe it
Harcourt's Storm Petrel	1							
Unidentified:								
Shearwater	1							all dark
Shearwater/Petrel	2							
Storm Petrel	1							
								Note: 36 birds 32 identified 8 species

Location

Observer Bratley, Ely, Fleet, King Date Dec. 10, 1963 Time 7 AM to 7 PM
Weather Moderately warm - cloudy

Weather Moderately warm - Cloudy with occasional stretches sunlight -
Wind 22 knots - Swells with depth to about 12 feet.

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater	5							
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird								
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby	2							
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
White-Necked Petrel	1							
Unidentified								
Shearwater/Petrel	1							
Petrel	1							

Note: 10 birds
8 identified
3 species

strong - Swells moderately deep.	Abundance	Breeding
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Note: 61 birds
57 identified
9 species

Location _____ Date Dec. 12, 1963 Time 7 AM to 7 PM
 Observer Bratley, Ely, Fleet, King
 Weather Warm - Partly cloudy to overcast - Wind NE, 13 knots -
 scattered showers - Swells NE, 5 feet, few whitecaps.

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater	1							
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	1							
White-tailed Tropicbird								
Masked Booby								
Brown Booby								1 immature, 1 adult
Red-footed Booby	2							
Great Frigatebird								
Golden Plover	1							
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern	1							
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
White-Necked Petrel	1							
unidentified:								
Shearwater/Petrel	1							
Petrel	1							
Tropic bird/Fairy Tern	1							
Bird sp.	1							

Note: 11 birds
 7 identified
 6 species

Location

Observer Bratley, Ely, Fleet, King Date Dec. 13, 1963 Time 7 AM to 7 PM
Weather 1/2

Weather Warm - Partly cloudy to cloudy - High winds directed into bow of ship - low swells with white caps.

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nest's	Eg's	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		35						
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel	5							
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird								
White-tailed Tropicbird								
Masked Booby	1							immature
Brown Booby	1							
Red-footed Booby	2							
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Dark-Rumped Petrel	1							
unidentified:								
Shearwater/Petrel	2							
Petrel	2							
								Note: 49 birds 45 identified 6 species

Location _____ Date Dec. 14, 1963 Time 7 AM to 7 PM
Observer Bratley, Ely, Fleet, King
Weather Partly to cloudy - strong winds directed into

Location _____ Date Dec. 14, 1963 Time 7 AM to 7 PM
Observer Bratley, Ely, Fleet, King
Weather Partly to cloudy - strong winds directed into

Location _____ Date Dec. 14, 1963 Time 7 AM to 7 PM
Observer Bratley, Ely, Fleet, King
Weather Partly to cloudy - strong winds directed into

Location _____ Date Dec. 14, 1963 Time 7 AM to 7 PM
Observer Bratley, Ely, Fleet, King
Weather Partly to cloudy - strong winds directed into

Location _____ Date Dec. 14, 1963 Time 7 AM to 7 PM
Observer Bratley, Ely, Fleet, King
Weather Partly to cloudy - strong winds directed into

Location

Observer Cratley, Ely, Fleet, King Date Dec 15, 1963 Time 7AM to 7PM

Weather Warm - partly cloudy - Strong winds directed toward ships bow
- Swells about 5 ft. deep, with white caps.

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross	1							followed ship all day
Wedge-tailed Shearwater	5							
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel	2							
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	2							
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Unidentified:								
shear water	1							
Shearwater/Petrel	1							
Note:								12 birds 10 identified 4 species

Location

Observer Bratley, Ely, Fleet, King Date Dec 16, 1963 Time 7AM to 7PM

Weather Cooler - Partly cloudy - winds strong being directed into ships bow - swells about 5 foot in depth, stem calm to white caps.

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nest's	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater	4							
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	4							
White-tailed Tropicbird	1							
Masked Booby								
Brown Booby								
Red-footed Booby	2							
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern	18							One flock of 16 - Rest singles (Not feeding)
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern	1							
Dark-Rumped Petrel	1							
White-Necked Petrel	3							
Phoenix Island Petrel	2							? See notes
Harcourt's Storm Petrel	2							
Unidentified:								
Shearwater/Petrel	9							Flock of six - other singles
Petrel	2							See notes for one was an oddity
bird sp.	9							Flock high above horizon - Frigates or Terns?
								Note: 58 birds 38 identified 10 species

Bratley, David A.
1963

Location

Observer Bratley, Ely, Fleet, King Date Dec. 17, 1963 Time 7 AM to 3 PM

Weather Fairly Warm - Partly cloudy to cloudy - Winds strong,
directed into ship's bow. - Swells about 5 feet deep with white caps.

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross	8							all following ship
Wedge-tailed Shearwater								
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird								
White-tailed Tropicbird	2							
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird	1							
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Pomarine Jaeger	5							all following ship.

Note: 16 birds
4 species